

### **ABSTRACT OF THE DISCLOSURE**

The addition of certain aliphatic and non-aromatic carbocyclic polycarboxylic acids provides an improvement in natural age keeping properties of organic-solvent based photothermographic materials. This improvement is particularly useful in organic-based photothermographic materials containing phosphors in the photothermographic emulsion layer. Phosphor-containing materials can be particularly useful for direct radiographic imaging using X-radiation.

5